



SEQUENCE LISTING

<110> AFAR, Daniel E.
HUBERT, Rene S.
LEONG, Kahan
RAITANO, Arthur B.
SAFFRAN, Douglas C.
JAKOBOVITS, Aya

<120> BPC-1: A SECRETED BRAIN-SPECIFIC PROTEIN
EXPRESSED AND SECRETED BY PROSTATE AND BLADDER CANCER CELLS

<130> 511582001810

<140> US 09/887,593

<141> 2001-06-21

<150> US 60/095,982

<151> 1998-08-10

<150> US 09/374,135

<151> 1999-08-10

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<212> DNA

<213> Homo sapiens

<400> 1

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 <213> Homo sapiens

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      20             25             30
Ser Glu Thr Gln Lys Ser Val Gln Cys Gly Thr Trp Thr Lys His Ala
    35             40             45
Glu Gly Gly Ile Phe Thr Ser Pro Asn Tyr Pro Ser Lys Tyr Pro Pro
    50             55             60
Asp Arg Glu Cys Ile Tyr Ile Ile Glu Ala Ala Pro Arg Gln Cys Ile
 65             70             75             80
Glu Leu Tyr Phe Asp Glu Lys Tyr Ser Ile Glu Pro Ser Trp Glu Cys
      85             90             95
Lys Phe Asp His Ile Glu Val Arg Asp Gly Pro Phe Gly Phe Ser Pro
    100            105            110
Ile Ile Gly Arg Phe Cys Gly Gln Asn Pro Pro Val Ile Lys Ser
    115            120            125
Ser Gly Arg Phe Leu Trp Ile Lys Phe Phe Ala Asp Gly Glu Leu Glu
    130            135            140
Ser Met Gly Phe Ser Ala Arg Tyr Asn Phe Thr Pro Gly Lys
 145            150            155

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<210> 3
 <211> 115
 <212> PRT
 <213> Caenorhabditis elegans

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    20             25             30
Phe His His Val Phe His Ile Glu Ser Thr Tyr Asp Lys Ile Asp Ala
    35             40             45
Gly Glu Glu Cys Pro Asn Asp Phe Ile Glu Phe Arg Asp Gly Arg Tyr
    50             55             60
Gly Phe Ser Pro Leu Ile Ala Arg Phe Cys Gly Asp Arg Met Pro Lys
 65             70             75             80
Arg Glu Ile Arg Ala Val Ser Gly Phe Leu Trp Ile Arg Phe Arg Ser
    85             90             95
Asp Ser Met Leu Glu Tyr Gln Gly Phe Ser Ala Glu Tyr Ala Ile Val
    100            105            110
Pro Ser Lys
    115

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<210> 4
 <211> 101
 <212> PRT
 <213> Mouse

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<400> 4
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 1             5             10             15
His Cys Val Trp Arg Ile Ser Val Thr Pro Gly Glu Lys Ile Ile Leu

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20 25 30
 Asn Phe Thr Ser Met Asp Leu Tyr Arg Ser Arg Leu Cys Trp Tyr Asp
 35 40 45
 Tyr Val Glu Val Arg Asp Gly Phe Trp Arg Lys Val Trp Val Arg Gly
 50 55 60
 Arg Phe Cys Gly Gly Lys Leu Pro Glu Pro Ile Val Ser Thr Asp Ser
 65 70 75 80
 Arg Leu Trp Val Glu Phe Arg Ser Ser Ser Asn Trp Val Gly Lys Gly
 85 90 95
 Phe Phe Ala Val Tyr
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<210> 5
 <211> 103
 <212> PRT
 <213> Mouse

<400> 5
 Asp Asn Gly His Ile Gln Ser Pro Asn Tyr Pro Asp Asp Tyr Arg Pro
 1 5 10 15
 Ser Lys Val Cys Ile Trp Arg Ile Gln Val Ser Glu Gly Phe His Val
 20 25 30
 Gly Leu Thr Phe Gln Ser Phe Glu Ile Glu Arg His Asp Ser Cys Ala
 35 40 45
 Tyr Asp Tyr Leu Glu Val Arg Asp Gly His Ser Glu Ser Ser Asn Leu
 50 55 60
 Ile Gly Arg Tyr Cys Gly Tyr Glu Asn Pro Asp Ile Lys Ser Thr
 65 70 75 80
 Ser Ser Arg Leu Trp Leu Lys Phe Val Ser Asp Gly Ser Ile Asn Lys
 85 90 95
 Ala Gly Phe Ala Val Asn Phe
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<210> 6
 <211> 101
 <212> PRT
 <213> Mouse

<400> 6
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 1 5 10 15
 Asn Cys Ile Trp Gln Leu Val Ala Pro Thr Gln Tyr Arg Ile Ser Leu
 20 25 30
 Gln Phe Asp Phe Phe Glu Thr Glu Gly Asn Asp Val Cys Lys Tyr Asp
 35 40 45
 Phe Val Glu Val Arg Ser Gly Leu Thr Ala Asp Ser Lys Leu His Gly
 50 55 60
 Lys Phe Cys Gly Ser Glu Lys Pro Glu Val Ile Thr Ser Gln Tyr Asn
 65 70 75 80
 Asn Met Arg Val Glu Phe Lys Ser Asp Asn Thr Val Ser Lys Lys Gly
 85 90 95
 Phe Lys Ala His Phe
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<210> 7
 <211> 102
 <212> PRT
 <213> Mouse

<400> 7
 Gly Thr Ile Thr Ser Pro Asn Trp Pro Asp Lys Tyr Pro Ser Lys Lys
 1 5 10 15
 Glu Cys Thr Trp Ala Ile Ser Ser Thr Pro Gly His Arg Val Lys Leu
 20 25 30
 Thr Phe Val Glu Met Asp Ile Glu Ser Gln Pro Glu Cys Ala Tyr Asp
 35 40 45
 His Leu Glu Val Phe Asp Gly Arg Asp Ala Lys Ala Pro Val Leu Gly
 50 55 60

Arg Phe Cys Gly Ser Lys Lys Pro Glu Pro Val Leu Ala Thr Gly Asn
65 70 75 80
Arg Met Phe Leu Arg Phe Tyr Ser Asp Asn Ser Val Gln Arg Lys Gly
85 90 95
Phe Gln Ala Ser His Ser
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<400> 8
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Glu Gly Tyr Gly Val Glu Leu Val Phe Gln Thr Phe Glu Val Glu Glu
20 25 30
Glu Thr Asp Cys Gly Tyr Asp Tyr Ile Glu Leu Phe Asp Gly Tyr Asp
35 40 45
Ser Thr Ala Pro Arg Leu Gly Arg Tyr Cys Gly Ser Gly Pro Pro Glu
50 55 60
Glu Val Tyr Ser Ala Gly Asp Ser Val Leu Val Lys Phe His Ser Asp
65 70 75 80
Asp Thr Ile Ser Lys Lys Gly Phe His Leu Arg Tyr Thr Ser Thr
85 90 95

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<220>
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<211> 42
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<400> 10
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<212> DNA
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<220>
<223> Adaptor

<400> 11
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<220>
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 <220>
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25

<210> 26

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<400> 26

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